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DIALOG(R)File 351:Derwent WPI

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**Dental caries inhibitor - contains at least one organic solvent extracts of phylogenous material e.g. ginger, celery seed, and dill seed**

Patent Assignee: HASEGAWA CO LTD (HASE )

Number of Countries: 001 Number of Patents: 002

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
JP 59029620	A	19840216	JP 82138623	A	19820811	198413 B
JP 90032255	B	19900719	JP 82138623	A	19820811	199033

Priority Applications (No Type Date): JP 82138623 A 19820811

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
JP 59029620	A		6		

Abstract (Basic): JP 59029620 A

Inhibitor contains at least one organic solvent extracts or steam distillates of phylogenous material selected from a gp. comprising Ginger, Cumin, Celery seed (*Fruetus api*), Taragon, Lovage, Valerian, Origanum, Lupulus (Hop), Ambrette seed, Dill seed, Penny royal, Buchu leaf, Tansy, Wine lees, *Boehmeria nipononiver* Koidz., *Zanthoxylum piperitum* DC., Japanese wild ginger, Black lek, *Areca catechu* L. and *Acanthopanax sieboldianum* as effective component.

Dental plaque is formed on surface of tooth by action of oral microbes, saburra and salivary organic substance etc., *Streptococcus mutans* synthesises dextran-like polysaccharide from sucrose to promote formation of dental plaque and produces acid from sucrose and the other saccharides to keep the acid in dental plaque and cause dental caries.

Inhibitor inhibits the propagation of microbe in oral cavity, e.g. by *Streptococcus mutans*. The dental caries-inhibitor may be compounded in oral compsn. such as dentifrice, mouth-wash, chewing gums or intraoral refrigerants.

Derwent Class: B04; D21

International Patent Class (Additional): A61K-007/26; A61K-035/78

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